INTERNATIONAL SEARCH REPORT

InterNational Application No PCT/GB2004/004586

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01Q1/24 H040 H04Q7/36 H01Q3/36 H01Q3/40 H01Q21/06 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) H01Q H04Q IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α US 6 268 828 B1 (MARTEK GARY A) 1-18 31 July 2001 (2001-07-31) abstract column 5, line 14 - column 17, line 51 figures 4-6,9 A EP 0 568 886 A (ALCATEL ITALIA) 1-18 10 November 1993 (1993-11-10) claim 1 Α US 4 316 192 A (ACORACI JOSEPH H) 1-18 16 February 1982 (1982-02-16) the whole document US 4 584 581 A (TESHIROGI TASUKU) Α 1-18 22 April 1986 (1986-04-22) column 7, line 19 - column 8, line 34 figures 5-7 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 13 December 2004 23/12/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 van Norel, J

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